FFFFFFFFFFFFFFFFFFFF	00000000 00000000 00000000	RRRRRRRRRRRR RRRRRRRRRRRR RRRRRRRRRRRR	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	LLL
FFF	000 000		RRR RRR	TTT	III
FFF	000 000		RRR RRR	TTT	LLL
FFF	000 000	RRR RRR	RRR RRR	TTT	LLL
FFF	000 000		RRR RRR	TTT	LLL
FFF	000 000	RRR RRR	RRR RRR	TTT	LLL
FFF	000 000	RRR RRR	RRR RRR	III	LLL
FFFFFFFFFF	000 000		RRRRRRRRRRR	III	LLL
FFFFFFFFFF	000 000	RRRRRRRRRRR	RRRRRRRRRRR	III	LLL
FFFFFFFFFF	000 000		RRRRRRRRRRR	III	LLL
FFF	000 000		RRR RRR	III	LLL
FFF	000 000		RRR RRR	III	LLL
FFF	000 000		RRR RRR	III	rrr
FFF	000 000	RRR RRR	RRR RRR	III	LLL
FFF	000 000		RRR RRR	III	LLL
FFF	000 000		RRR RRR	III	LLL
FFF	00000000	RRR RRR	RRR RRR	III	LLLLLLLLLLLLLLLL
FFF	00000000	RRR RRR	RRR RRR	III	LLLLLLLLLLLLLLLL
FFF	00000000	RRR RRR	RRR RRR	TTT	LLLLLLLLLLLLLLL

FFFFFFFFF FFFFFFFFF FF FF FFFFFFFF FF F	000000 000000 00	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR	RRRRRRRR RR		\$	UU
		\$				

- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:29 VAX/VMS Macro V04-00 FORSWRITE SU Table of Contents Page 0 HISTORY ; Detailed Current Edit Hist DECLARATIONS FORSWRITE_SU - WRITE Sequential UNFORMATTED ; Detailed Current Edit History

- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:29 VAX/VMS Macro V04-00 6-SEP-1984 11:02:17 [FORRTL.SRC]FORWRITSU.MAR;1 (1)

FORSWRITE_SU - entry point for FORTRAN WRITE SEQUENTIAL UNFORMATTED /1-011/ File: FORWRITSU.MAR Edit: JAW1011

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; FACILITY: FORTRAN Support Library - user callable

ABSTRACT:

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This module contains the entry point for the FORTRAN WRITE SEQUENTIAL UNFORMATTED I/O statement. It is simply a call to FOR\$\$IO_BEG with bits in RO which describe the parameter list. FOR\$\$IO_BEG interprets the parameters.

MAINTENANCE NOTE:

The transfer vector (RTLVECTOR+ALLGBL) must have the following:

.TRANSFER FORSWRITE_SU FOR\$\$10_BEG . MASK FORSWRITE_SU+2

This puts the correct mask in entry vector, that is FOR\$\$10_BEG entry mask. Furthermore this module must only use RO and R1 since any other register might not be in the entry mask for FOR\$\$10_BEG.

ENVIRONMENT: User access mode; mixture of AST level or not

AUTHOR: Richard B. Grove, CREATION DATE: 28-May-78

MODIFIED BY: T. Hastings, 29-July-78

```
- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:29 VAX/VMS Macro V04-00 DECLARATIONS 6-SEP-1984 11:02:17 [FORRTL.SRC]FORWRITSU.MAR;1
                 .SBTTL DECLARATIONS
                         INCLUDE FILES:
                                  SFORPAR
                                                                               ; Define inter-module FORTRAN symbols
                                  $ISBDEF
                                                                               : Define statement type symbols
                         EXTERNAL SYMBOLS:
                                  .DSABL GBL
.EXTRN FOR$$10_BEG
                                                                               ; Declare all external symbols
                                                                               ; common I/O statement processing
                      The following references are to make sure the necessary UDF and REC modules are loaded. These are the routines which are called through the dispatch tables in FOR$$DISPAT.
                                  .EXTRN FOR$$UDF_WUO, FOR$$UDF_WU1, FOR$$UDF_WU9
.EXTRN FOR$$REC_WSU0, FOR$$REC_WSU1, FOR$$REC_WSU9
                         MACROS:
                                  NONE
 0000
0000
0000
0000
0000
0000
0000
0000
                         PSECT DECLARATIONS:
                                  .PSECT _FOR$CODE PIC,USR,CON,REL,LCL,SHR,EXE,RD,NOWRT,LONG
                         EQUATED SYMBOLS:
                         OWN STORAGE:
```

NONE

```
- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:29 VAX/VMS Macro V04-00 FOR$WRITE_SU - WRITE Sequential UNFORMAT 6-SEP-1984 11:02:17 [FORRTL.SRC]FORWRITSU.MAR;1
                                                                                                                                              (4)
                                   .SBTTL FORSWRITE_SU - WRITE Sequential UNFORMATTED
                          FUNCTIONAL DESCRIPTION:
                                   Initialize the FORTRAN I/O system to perform a WRITE sequential unformatted I/O statement.
                          CALLING SEQUENCE:
                                   INPUT PARAMETERS:
                                                                      logical unit number optional ERR= address optional END= address
                                   unit.rl.v
                  145
146
147
148
150
151
152
153
155
156
157
158
161
163
164
165
167
168
169
170
171
173
174
175
                                   [err_adr.j.r]
[end_adr.j.r]
                          IMPLICIT INPUTS:
                                   NONE except those used by FOR$$10_BEG.
                          OUTPUT PARAMETERS:
                                   NONE
                           IMPLICIT OUTPUTS:
                                   NONE except those left by FOR$$10_BEG.
                          COMPLETION CODES:
                                   NONE
                          SIDE EFFECTS:
```

00000002 GF

FORSWRITE_SU::

NONE except those of FOR\$\$10_BEG.

.MASK FOR\$\$10 BEG #ISB\$K ST TY WSU, RO G^FOR\$\$10_BEG+2 Statement type ; Statement type ; branch past call mask

.END

```
- entry point for FORTRAN WRITE SEQUENTI 16-SEP-1984 00:07:29 VAX/VMS Macro V04-00 6-SEP-1984 11:02:17 [FORRTL.SRC]FORWRITSU.MAR;1
 FORSWRITE_SU
Symbol table
                                                                                                                                                                                     (4)
FOR$$10_BEG
FOR$$REC_WSU0
FOR$$REC_WSU1
FOR$$REC_WSU9
FOR$$UDF_WU0
FOR$$UDF_WU1
FOR$$UDF_WU9
FOR$WRITE_SU
ISB$K_ST_TY_WSU
                                               *******
                                                                    *******
                                               *******
                                               ******
                                               *******
                                               *******
                                               *******
                                               00000000 RG
                                            = 00000003
                                                                      Psect synopsis
 PSECT name
                                             Allocation
                                                                         PSECT No.
                                                                                        Attributes
    ABS
                                              00000000
                                                                                 0.)
                                                                                                                             LCL NOSHR NOEXE NORD
LCL SHR EXE RD
                                                                                                                                                            NOWRT NOVEC BYTE
                                                                                                    USR
                                                                                                            CON
 FOR$CODE
                                              0000000B
                                                                                           PIC
                                                                                                            CON
                                                                                                                     REL
                                                                                                    USR
                                                                                                                                                            NOWRT NOVEC LONG
                                                                  Performance indicators
                                                                4------
Phase
                                   Page faults
                                                         CPU Time
                                                                             Elapsed Time
                                                        00:00:00.05
00:00:00.56
00:00:01.21
                                                                             00:00:01.04
00:00:03.30
00:00:05.06
Initialization
 Command processing
Pass 1
                                                        00:00:00.18
                                                                             00:00:00.64
Symbol table sort
Pass 2
                                                         00:00:00.45
                                                                             00:00:00.22
Symbol table output
                                                         00:00:00.02
Psect synopsis output
                                                        00:00:00.03
                                                        00:00:00.00
00:00:02.52
Cross-reference output
                                                                              00:00:00.00
Assembler run totals
                                                                              00:00:12.22
The working set limit was 1050 pages.
6663 bytes (14 pages) of virtual memory were used to buffer the intermediate code.
There were 20 pages of symbol table space allocated to hold 187 non-local and 0 local symbols.
175 source lines were read in Pass 1, producing 8 object records in Pass 2.
9 pages of virtual memory were used to define 2 macros.
                                                                Macro library statistics !
                                                               4-----
Macro Library name
                                                               Macros defined
_$255$DUA28:[FORRTL.OBJ]FORRTL.MLB;1
_$255$DUA28:[SYSLIB]STARLET.MLB;2
                                                                               202
TOTALS (all libraries)
183 GETS were required to define 2 macros.
There were no errors, warnings or information messages.
```

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$: FORWRITSU/OBJ=OBJ\$: FORWRITSU MSRC\$: FORWRITSU/UPDATE=(ENH\$: FORWRITSU)+LI

0185 AH-BT13A-SE

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